

When PBMCA and PBMCBs were mixed, a mixed **lymphocyte** reaction occurred wherein the PBMCA cells were activated by the surface antigens on the PBMCBs. The cultures were incubated over an interval of 7 days and were pulsed with 3H-thymidine during the final 18 hours. In the presence of the PBMCBs, the PBMCA proliferated giving counts of 40000. However, when PBMCA and PBMCBs were mixed in the presence of **mesenchymal** stem cells, the mixed **lymphocyte** reaction was suppressed.

Mesenchymal stem cells from either donor suppressed proliferation equally well, which indicated that there was no specificity of suppression with respect to major histocompatibility type (MHC) type. These results demonstrate that **mesenchymal** stem cells actively suppressed the mixed **lymphocyte** reaction when the cells were cultured together.

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(FILE 'HOME' ENTERED AT 13:26:59 ON 19 DEC 2003)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:27:06 ON 19 DEC 2003

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L1      4 S (US20020085996 OR US6368636 OR US6328960)/PN OR (US2001-06712
L2      3 S L1 NOT NALCO?/PA
        E OSIRIS/PA,CS
L3      80 S E3-E21
        E MCINTOSH K/AU
L4      36 S E3,E10,E23,E25
        E MC INTOSH K/AU
        E MOSCA J/AU
L5      56 S E3,E4,E7,E8
        E KLYUSHNENKOVA E/AU
L6      8 S E4-E6
L7      1078 S MESENCHYM?(L)STEM(L)CELL
        E STEM CELL/CT
        E E3+ALL
L8      128 S E3,E2(L)MESENCHYM?
L9      45 S E6+NT(L)MESENCHYM?
        E MESENCHYM/CT
        E E7+ALL
L10     438 S E3(L)STEM(L)CELL
L11     1082 S L7-L10
        E TRANSPLANT/CT
L12     31626 S E5-E68
L13     494 S E3
L14     812 S E73,E76
        E E5+ALL
L15     7344 S E6-E11
L16     31626 S E5
L17     31694 S E5+NT
        E E38+ALL
L18     5704 S E2
L19     147 S L11 AND L12-L18
L20     212 S L11 AND TRANSPLANT?
L21     11 S L11 AND (GVH# OR GRAFT())(VS OR VERSUS OR V)()HOST()(DISEASE O
        E TRANSPLANT/CT
        E E4+ALL
L22     212 S L19-L21
        E T CELL/CT
L23     223 S E12
L24     2 S L22 AND L23
L25     3 S L22 AND EFFECTOR (L) T CELL
L26     3 S L22 AND EFFECTOR (L) ?LYMPHO?
L27     0 S L22 AND XENOANTIGEN?
L28     0 S L22 AND XENO(L)ANTIGEN?

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L29 16 S L22 AND IMMUN?(L)RESPON?
L30 3 S L29 AND L24-L26
L31 5 S L24-L26,L30,L2
L32 5 S L31 AND L1-L31
L33 1 S DONNELLY ?/AU AND 1993/PY AND (56 AND 157)/SO
L34 1 S SHIMABUKURO ?/AU AND 1992/PY AND 344/SO
L35 1 S BOWLIN ?/AU AND 1983/PY
L36 1 S POSAVAD ?/AU AND 1992/PY AND (66 AND 6264)/SO
L37 1 S ESHEL ?/AU AND 1990/PY AND (144 AND 1563)/SO
L38 0 S KLYUSHNENKOVA ?/AU AND 1998/PY AND (92 AND 2652)/SO
L39 1 S WO9623058/PN
L40 0 S GASSEL ?/AU AND 1992/PY AND (54 AND 1048)/SO
L41 0 S PRITCHARD ?/AU AND 1992/PY AND 149/SO
L42 2 S US5788968/PN

FILE 'MEDLINE' ENTERED AT 13:46:05 ON 19 DEC 2003

L43 2 S TSE ?/AU AND 2000/PY AND 96/SO
L44 102 S TSE ?/AU AND 2000/PY NOT L43
L45 6 S KLYUSHNENKOVA ?/AU
L46 232 S GASSEL ?/AU
L47 49 S L46 AND TRANSPLANT?/JT
L48 3 S L47 AND 1992/PY
L49 1 S L48 AND 54/SO
L50 1 S PRITCHARD ?/AU AND 1992/PY AND (149 AND 45)/SO

FILE 'BIOSIS' ENTERED AT 13:50:15 ON 19 DEC 2003

E TSE/AU
L51 2031 S E3 OR TSE ?/AU
L52 6 S L51 AND 2000/PY AND 96/SO
L53 23 S KLYUSHNENKOVA ?/AU
L54 1 S L53 AND 1998/PY
L55 16 S L51 AND 96/SO NOT L52
E JOURNAL OF THE AMERICAN/JT
L56 166716 S JOURNAL OF THE AMERICAN?/JT
L57 72 S L56 AND L51

FILE 'HCAPLUS, MEDLINE, BIOSIS' ENTERED AT 13:53:31 ON 19 DEC 2003

L58 13 DUP REM L33-L37 L39 L42 L43 L49 L50 L54 (0 DUPLICATES REMOVED)

FILE 'HCAPLUS' ENTERED AT 13:53:54 ON 19 DEC.2003

FILE 'HCAPLUS, MEDLINE, BIOSIS' ENTERED AT 13:54:28 ON 19 DEC 2003

FILE 'MEDLINE' ENTERED AT 13:54:58 ON 19 DEC 2003

L59 1184 S L7
E MESENCHYM/CT
E E12+ALL
E E2+ALL
L60 2 S E4+NT
E E17+ALL
L61 1046 S E5+NT AND STEM CELLS+NT/CT
E STEM CELLS/CT
E E3+ALL
L62 1958 S L59-L61
L63 133 S L62 AND TR/CT
E TRANSPLANT/CT
E E11+ALL
L64 323 S L62 AND E3+NT
E E48+ALL
L65 23 S L62 AND E4+NT
L66 29 S L62 AND E22+NT
E TRANSPLANT/CT
L67 2 S L62 AND E24+NT

L68 29 S L62 AND E39+NT
 L69 0 S L62 AND E49+NT
 L70 28 S L62 AND E58+NT
 L71 31 S L62 AND E96+NT
 L72 4 S L62 AND E117+NT
 L73 30 S L62 AND E133+NT
 L74 2 S L62 AND E160+NT
 L75 2 S L62 AND E243+NT
 E GRAFT/CT
 L76 0 S L62 AND E6+NT
 L77 3 S L62 AND E46+NT
 L78 24 S L62 AND E87+NT
 L79 1 S L62 AND E97+NT
 L80 2 S L62 AND E134+NT
 L81 0 S L62 AND E151+NT
 L82 0 S L62 AND E160+NT
 L83 325 S L63-L82
 E T CELL/CT
 E E85+ALL
 L84 6 S E2+NT AND L83
 E MCINTOSH K/AU
 L85 226 S E3,E10
 L86 2 S E16,E17
 E MC INTOSH K/AU
 E MOSCA J/AU
 L87 49 S E3-E5
 E KLYUSHNENKOVA E/AU
 L88 6 S E3-E6
 L89 13 S L62 AND L85-L88
 L90 6 S L89 AND L83
 L91 2 S L84 AND PY<=1998

FILE 'MEDLINE' ENTERED AT 14:07:19 ON 19 DEC 2003

L92 7 S L89 NOT L90

FILE 'WPIX' ENTERED AT 14:07:51 ON 19 DEC 2003

 E MESENCHYM/BIX
 E MESENCHYM/BI, ABEX
 E MESENCH/BI, ABEX
 L93 763 S E5-E28, E30, E31, E32
 L94 330 S L93 AND STEM(L)CELL/BIX
 L95 119 S L94 AND TRANSPLANT?/BIX
 L96 2 S L94 AND (GVH# OR GRAFT?()) (V OR VS OR VERSUS) ()HOST() (DISEASE
 L97 119 S L95, L96
 L98 4 S L97 AND (MCINTOSH ? OR MC INTOSH ? OR MOSCA ? OR KLYUSHNENKOV
 L99 7 S L97 AND A61P037/IC, ICM, ICS, ICA, ICI
 E B14-G02C+ALL/MC
 L100 11 S L94 AND (B14-G02C OR C14-G02C OR B12-D02B OR C12-D02B)/MC
 L101 21 S L94 AND P434/M0, M1, M2, M3, M4, M5, M6
 L102 129 S L97, L99-L101
 L103 2 S L102 AND EFFECTOR(L)CELL/BIX
 L104 20 S L102 AND T CELL/BIX
 L105 13 S L102 AND LYMPHOCYT?/BIX
 L106 13 S L103-L105 AND IMMUN?(L)RESPON?/BIX
 SEL DN AN 9 10
 L107 2 S E1-E5
 L108 6 S L98, L107 AND L93-L107

FILE 'WPIX' ENTERED AT 14:20:18 ON 19 DEC 2003

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